

Title (en)
COMPOUND HAVING TETRAHYDRONAPHTHALENE SKELETON AND LIQUID CRYSTAL COMPOSITION CONTAINING THE SAME

Title (de)
VERBINDUNG MIT EINEM TETRAHYDRONAPHTHALIN-GRUNDGERÜST UND FLÜSSIGKRISTALLZUSAMMENSETZUNG DIE DIESE VERBINDUNG ENTHÄLT

Title (fr)
COMPOSE PRESENTANT UN SQUELETTE TETRAHYDRONAPHTALENE ET COMPOSITION DE CRISTAUX LIQUIDES CONTENANT CE COMPOSE

Publication
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Application
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Priority

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Abstract (en)
[origin: EP1191008A1] A tetrahydronaphthalene derivative represented by the general formula (I) and a liquid crystal composition containing the same. <CHEM> A compound represented by the general formula (I) shows superior liquid crystallinity and co-solubility with conventional liquid crystal compounds and compositions. Furthermore, addition of such a compound enables the threshold voltage to be significantly reduced with almost no deleterious effect on the responsiveness. In addition, a compound of the present invention can also be easily produced industrially, is colorless, and is chemically stable. Consequently, liquid crystal compositions containing such a compound are extremely useful as liquid crystals, and are particularly suitable for liquid crystal displays requiring a wide operating temperature range, low voltage driving and a high response speed.

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